



INVESTOR IN PEOPLE

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Shell Internationale Research Maatschappij B.V.  
% Haseltine Lake & Co  
Imperial House  
15-19 Kingsway  
LONDON  
WC2B 6UD

**The Patent Office**  
Concept House  
Cardiff Road  
Newport  
South Wales  
NP10 8QQ

Examiner: 01633 814751  
†E-mail: dave.pepper@patent.gov.uk  
Switchboard: 01633 814000  
Fax: 01633 814444

**Your Reference:** HL76202/ASG/LS  
**Application No:** GB 0013661.4

18 April 2001

Dear Sirs

**Patents Act 1977: Search Report under Section 17(6)**

I enclose two copies of my search report relating to claims 1-49 and a copy of the citations.

This search is in response to the further Patents Form 9/77 filed on 18 December 2000.

**Plurality of invention**

I consider that your application relates to more than one invention as follows:

- a) the cone and methods of claims 1-49 characterised by the lubrication of the cone surface;
- b) the tubular member, casing and method of claims 50-52 characterised by the annular member;
- c) the methods of claims 53 & 54 characterised by the selection procedure; and
- d) the method of claims 55 & 56 characterised by the injection of a lubricating fluid into the wellbore

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†Use of E-mail: Please note that e-mail should be used for correspondence only.



Application No: GB 0013661.4

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My search report relates to the first invention only. If you want any of the other inventions searched, you should file a separate Patents Form 9/77 for each invention.

Yours faithfully

David Pepper  
Examiner



Application No: GB 0013661.4  
Claims searched: 1-49

Examiner: David Pepper  
Date of search: 17 April 2001

**Patents Act 1977**  
**Further Search Report under Section 17**

**Databases searched:**

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.S): E1F FLA; B3J

Int Cl (Ed.7): E21B; B21D

Other: Online: WPI, EPODOC, JAPIO

**Documents considered to be relevant:**

Category	Identity of document and relevant passage	Relevant to claims
X	GB 1062610 A (Stone Manganese Marine Ltd)	1,2,10,13, 27-35
X	SU 1324722 A (Volkov)	1,2,4,10, 13,14,19, 27-35

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	B	Patent document published on or after, but with priority date earlier than, the filing date of this application.